

In re Patent Application of:
ROY
Serial No. 10/781,195
Filing Date: FEBRUARY 18, 2004

In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

1. (Currently amended) A communications system comprising:

at least one data storage device for storing messages for respective users;

a plurality of mobile wireless communications devices each associated with a respective user for accessing the messages stored on said at least one data storage device; and

an adaptive polling engine for polling said at least one data storage device for stored messages and providing the polled messages to mobile wireless communications devices of respective users;

said adaptive polling engine changing a respective rate of polling for each mobile wireless communications device based upon at least one positive polling event and at least one negative polling event, the at least one negative polling event comprising a lack of authorized communications based upon a given mobile wireless communications device being outside a wireless coverage area.

2. (Cancelled).

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3. (Currently amended) The communications system of Claim 1 wherein the lack of authorized communications with said adaptive polling engine is also based upon an invalid user login.

4. (Original) The communications system of Claim 1 wherein the at least one negative polling event further comprises a decrease in storage of messages for the respective user at the at least one data storage device.

5. (Currently amended) The communications system of Claim 1 wherein the at least one positive polling event further comprises an increase in storage of messages for the respective user at the at least one data storage device.

6. (Currently amended) The communications system of Claim 1 wherein the at least one positive polling event further comprises an increase in message access requests from a given mobile wireless communications device.

7. (Currently amended) An adaptive polling engine for interfacing a plurality of mobile wireless communications devices each associated with a respective user with at least one data storage device, the at least one data storage device for storing messages for respective users, the adaptive polling engine comprising:

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an interface module for communicating with the mobile wireless communications devices; and

an adaptive polling engine module coupled to said interface module for polling the at least one data storage device for stored messages and providing the polled messages to mobile wireless communications devices of respective users;

said adaptive polling engine module changing a respective rate of polling for each mobile wireless communications device based upon at least one positive polling event and at least one negative polling event, the at least one negative polling event comprising a lack of authorized communications based upon a given mobile wireless communications device being outside a wireless coverage area.

8. (Cancelled).

9. (Currently amended) The adaptive polling engine of Claim 7 wherein the lack of authorized communications with said adaptive polling engine is also based upon an invalid user login.

10. (Currently amended) The adaptive polling engine of Claim 7 wherein the at least one positive polling event further comprises an increase in message access requests from a given mobile wireless communications device.

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11. (Currently amended) ~~An~~ A method for interfacing a plurality of mobile wireless communications devices each associated with a respective user with at least one data storage device, the at least one data storage device for storing messages for respective users, the method comprising:

polling the at least one data storage device using an adaptive polling engine module for stored messages and providing the polled messages to mobile wireless communications devices of respective users; and

changing a respective rate of polling for each mobile wireless communications device using the adaptive polling engine module based upon at least one positive polling event and at least one negative polling event, the at least one negative polling event comprising a lack of authorized communications with a given mobile wireless communications device based upon a given mobile wireless communications device being outside a wireless coverage area.

12. (Cancelled).

13. (Currently amended) The method of Claim 11 wherein the lack of authorized communications is also based upon an invalid user login.

14. (Currently amended) The method of Claim 11 wherein the at least one positive polling event further comprises an

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increase in message access requests from a given mobile wireless communications device.

15. (Currently amended) A computer-readable medium having computer-executable modules for interfacing a plurality of mobile wireless communications devices each associated with a respective user with at least one data storage device, the at least one data storage device for storing messages for respective users, the computer-readable medium comprising:

an interface module for communicating with the mobile wireless communications devices; and

an adaptive polling engine module coupled to said interface module for polling the at least one data storage device for stored messages and providing the polled messages to mobile wireless communications devices of respective users;

said adaptive polling engine module changing a respective rate of polling for each mobile wireless communications device based upon at least one positive polling event and at least one negative polling event, the at least one negative polling event comprising a lack of authorized communications with the adaptive polling engine module based upon a given mobile wireless communications device being outside a wireless coverage area.

16. (Cancelled).

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17. (Currently amended) The computer-readable medium of Claim 15 wherein the lack of authorized communications with the adaptive polling engine module is also based upon an invalid user login.

18. (Currently amended) The computer-readable medium of Claim 15 wherein the at least one positive polling event further comprises an increase in message access requests from a given mobile wireless communications device.